




Product datasheet

# Anti-Adiponectin Receptor 2/ADIPOR2 antibody ab231051

8 Images

Overview

<b>Product name</b>	Anti-Adiponectin Receptor 2/ADIPOR2 antibody
<b>Description</b>	Rabbit polyclonal to Adiponectin Receptor 2/ADIPOR2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Recombinant fragment (His-T7-tag) corresponding to Rat Adiponectin Receptor 2/ADIPOR2 aa 1-147. Expressed in E.coli. Sequence: MNEPTEHRLGCTRTPEDIRLRKGHQLDDTRGGNNDN HHGDLEPSLETPV CSSYYENSPEELECHDDNSQEDEGFMGMSPLLQAHH AMERMEEFVCKVWE GRWRVIPHDVLPDWLKDNDFFLLHGHRPPMPSFRACF KSIFRIHTETG  Database link: <a href="#">Q3YAF7</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Rat liver, testis, skeletal muscle, heart, kidney and stomach tissues. WB: Rat serum; Rat uterus lysate; Recombinant rat Adiponectin Receptor 2/ADIPOR2 protein.
<b>General notes</b>	This product was previously labelled as Adiponectin Receptor 2

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide

	Constituents: PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab231051 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab231051** in the following tested applications.

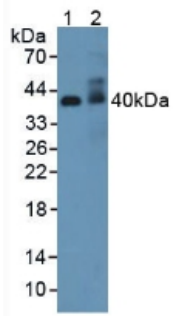
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 44 kDa.

## Target

<b>Function</b>	Receptor for globular and full-length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin. Has some intermediate-affinity receptor activity for both globular and full-length adiponectin.
<b>Tissue specificity</b>	Highly expressed in skeletal muscle, liver and placenta. Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung.
<b>Sequence similarities</b>	Belongs to the ADIPOR family.
<b>Domain</b>	The N-terminus is known to be cytoplasmic while the C-terminus is known to be extracellular.
<b>Cellular localization</b>	Membrane. Localized to the cell membrane and intracellular organelles.

## Images



Western blot - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

**All lanes :** Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051) at 1 µg/ml

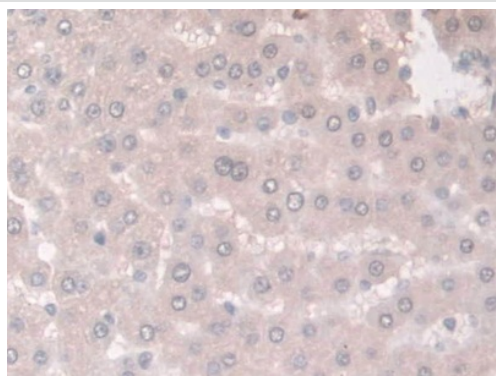
**Lane 1 :** Rat serum

**Lane 2 :** Rat uterus lysate

**Secondary**

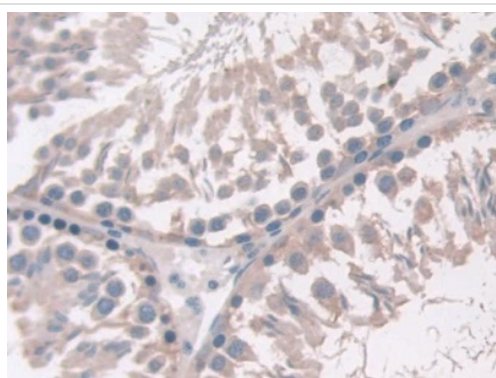
**All lanes :** HRP-Linked Guinea pig Anti-Rabbit antibody at 1/2000 dilution

**Predicted band size:** 44 kDa



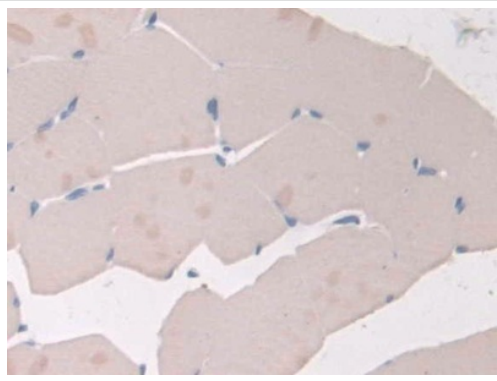
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat liver tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



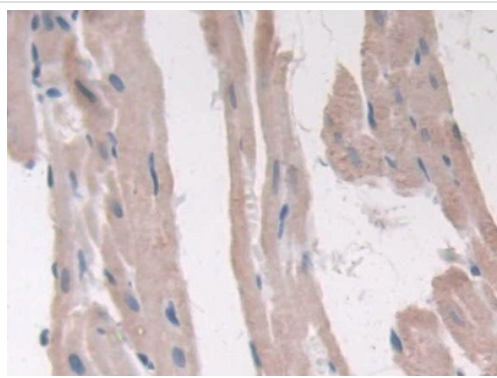
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat testis tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



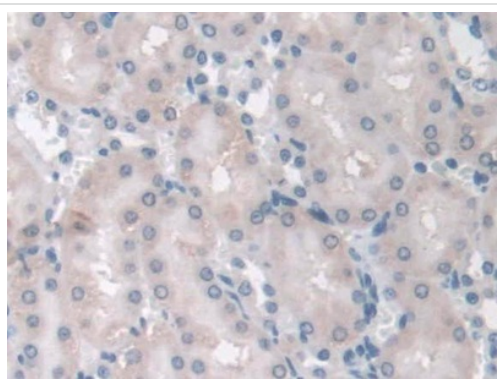
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat skeletal muscle tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



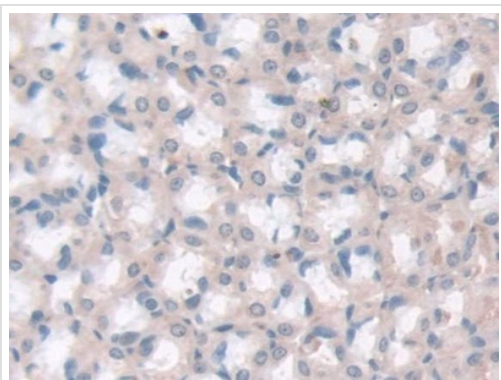
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat heart tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



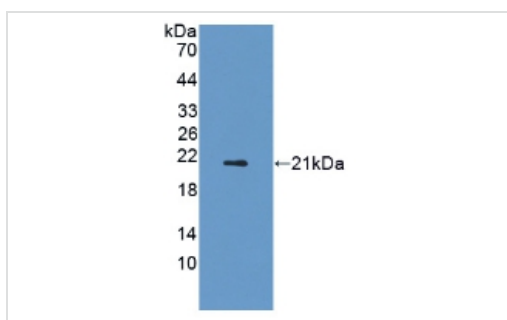
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat kidney tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat stomach tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



Western blot - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051) at 2 µg/ml + Recombinant rat Adiponectin Receptor 2/ADIPOR2 protein

**Predicted band size:** 44 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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